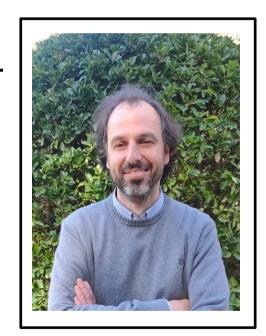
PSKITS FOR FAST AND SELECTIVE ANALYSIS OF 99Tc IN DECOMMISSIONING BARCELONA

X. Mendo, E. Antoñanzas, H. Bagán, A. Tarancón

Department of Chemical Engineering and Analytical Chemistry, University of Barcelona

- Most NNP in the world are 30 years older and will be dismantled soon
- Need of fast and easy selective screening assessment of α and β isotopes in liquid samples.
- PSkits: selective PS in a LS vial.
 - 90' procedure: add sample, shake, empty and measure
- Preparation and application of PSkits for ⁹⁹Tc has been optimized (aliquat-336 as extractant).
- High and reproducible yields (72 ± 2 %) and efficiencies (54 ± 2 %) has been obtained.
- Successful analysis of simulated samples

Poster 074





Session: Techniques for low-level α -particle, β -particle and γ -ray measurements (TFABG)